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Kaplan

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(54) **METHOD OF ADMINISTERING A
THERAPEUTICALLY ACTIVE SUBSTANCE**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
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(65) **Prior Publication Data**

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(57) **ABSTRACT**

Related U.S. Application Data

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(51) **Int. Cl.**⁷ **A61M 31/00; A61M 37/00**

(52) **U.S. Cl.** **600/7**

(58) **Field of Search** 600/7, 8

A method for administering a therapeutically active component including a non-radioactive drug to a target tissue in a subject includes the steps of: (a) providing a brachytherapy seed having a size and shape suitable for passing through the bore of a needle having an interior diameter of less than about 2.7 millimeters (10 gauge); (b) providing a brachytherapy implantation instrument comprising at least one brachytherapy implantation needle having a bore having an interior diameter of less than about 2.7 millimeters (10 gauge), and being adapted to accept the brachytherapy seed into the bore of the at least one brachytherapy implantation needle and deliver the accepted implantation device into a target tissue; (c) introducing the brachytherapy seed into the bore of the at least one implantation needle of the brachytherapy implantation instrument; (d) introducing at least a portion of the at least one brachytherapy implantation needle into a target tissue in the subject; and (e) actuating the brachytherapy implantation instrument such that the brachytherapy seed is delivered through the bore of the brachytherapy implantation needle into the target tissue.

8 Claims, 5 Drawing Sheets

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